

# Network and Telecommunications Design Support

## RFQ Conference

March 21, 2008





# Agenda

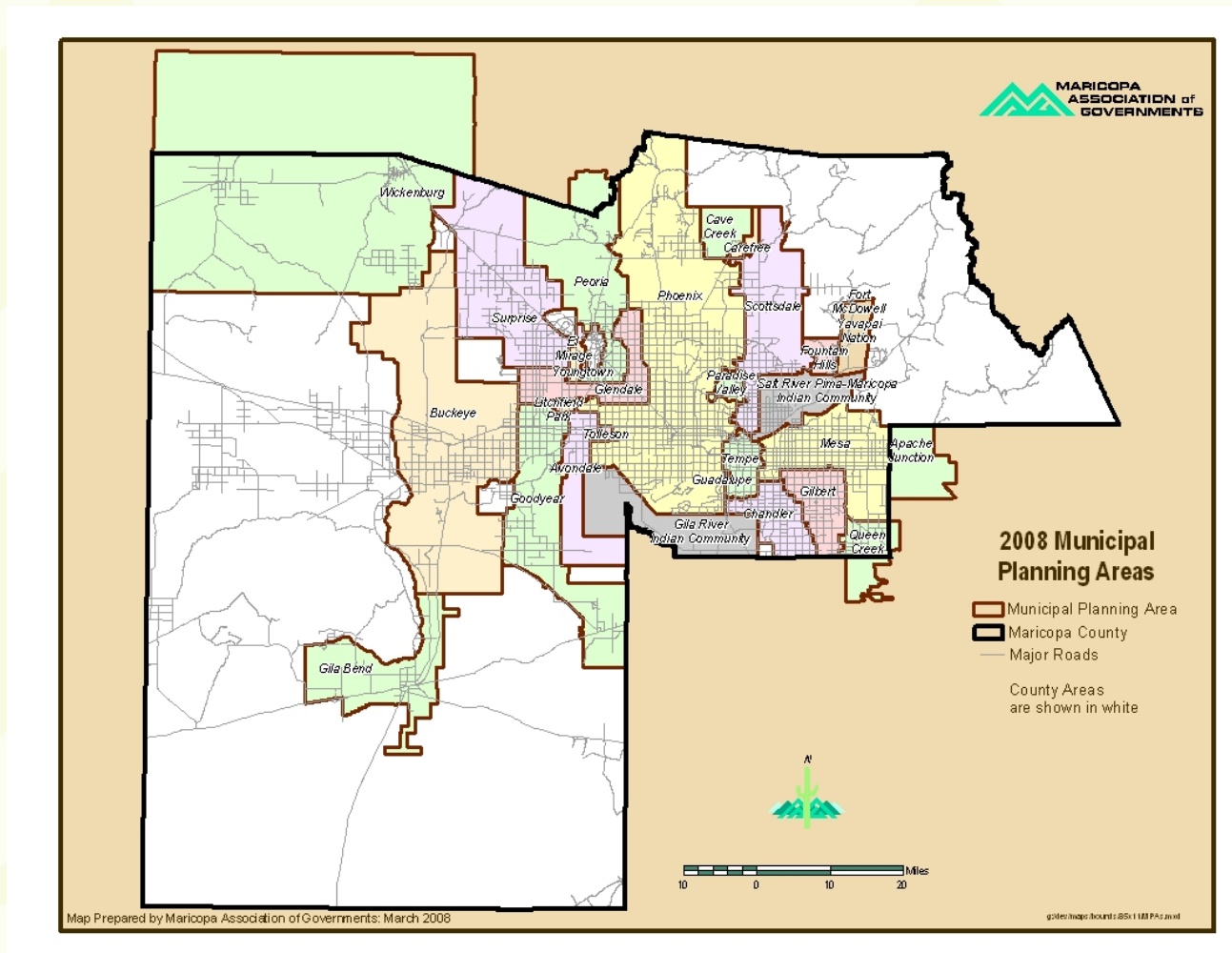
- **What is MAG?**
- **Potential Projects**
- **Areas of Expertise**
- **SOQ process**
- **Questions**

# What is MAG?





# MAG Member Agencies





# Upcoming Changes and Projects

- **Potential Move**
- **Partnering Opportunities**
- **Data Sharing Project**



# Potential Benefits

- **Share data**
- **Facilitate collaboration**
- **Reduce Costs**



# Potential Concerns

- **Security**
- **Autonomy**
- **Standards**

# Potential Projects







# Potential Projects

- Review and possible modification of infrastructure design for the new building.
- Review and possible modification of server room design for the new building.
- Evaluation and recommendation of proposed interconnections between MAG and partnering agencies.
- Review of design documents for the new building and proposed modifications to the existing MAG building.
- Design of public WiFi infrastructure for the new building.
- Analysis of security issues of proposed interconnections between MAG and partnering agencies and recommendations to mitigate risks.
- Analysis of public WiFi security issues for the new building and recommendations to mitigate risks.
- Collecting information of the network security and infrastructure requirements of MAG and partnering agencies and facilitate the development of a consensus on these issues to move forward toward interconnection.

# Areas of Expertise





## Areas of Expertise

- Telecommunications design and review including public-access WiFi
- Server room design and review including impacts on building design
- Network security analysis and design for interagency communications and public-access WiFi
- Design of multi agency IP telephony systems
- Integration of audio/visual control systems



# Telecommunications design and review including public-access WiFi

## ■ Examples of Products

- High level design of infrastructure to connect multiple agencies colocated in the same building
- Identification of infrastructure requirements for public WiFi



# Telecommunications design and review including public-access WiFi

## ■ Examples of Qualifications

- Experience designing connectivity for related, but separate, entities in a campus or business condo environment
- Experience designing the infrastructure to support WiFi
- Ability to forecast bandwidth demands



# Server room design and review including impacts on building design

## ■ Examples of Products

- High level design of server room in a stand-alone and hotel configuration
- Identification of building requirements
- Projection of power, cooling, and space needs



# Server room design and review including impacts on building design

## ■ Examples of Qualifications

- Experience designing server rooms including those to serve multiple agencies
- Ability to forecast power, cooling, and space requirements



## Network security analysis and design for interagency communications and public-access WiFi

### ■ Examples of Products

- Identification of security requirements for shared servers
- Identification of security requirements and best practices for public WiFi accomodation





## Network security analysis and design for interagency communications and public-access WiFi

### ■ Examples of Qualifications

- Experience designing public WiFi systems
- Experience analyzing risk factors and identifying security needs, particularly between cooperating agencies



# Design of multi agency IP telephony systems

## ■ Examples of Products

- Analysis of requirements to join an existing agency IP phone system
- Analysis of suitability of IP telephony to the MAG environment
- Specification of IP telephony requirements



# Design of multi agency IP telephony systems

## ■ Examples of Qualifications

- Experience designing IP telephony systems particularly those that are shared across agencies
- Ability to forecast telephone requirements



# Integration of audio/visual control systems

## ■ Examples of Products

- Analysis of A/V needs for new conference rooms
- Review of designs for conference rooms
- Specification of A/V requirements for conference rooms and associated links to the IT environment



# Integration of audio/visual control systems

## ■ Examples of Qualifications

- Experience designing collaborative and formal meeting room A/V environments
- Experience in teleconferencing design

# SOQ Process





## SOQ Content

- Registration form and identification
- Organization and approach
- Background of firm
- Range of services offered
- Examples of work
- References
- Individuals and expertise
- Resumes
- Subconsultants
- Signature/confidentiality, other information



# SOQ Delivery and Opening

- Ten copies
- Submittal Deadline: Friday April 10, 2008 at 12:00 noon Arizona time
- Delivery of SOQs to MAG office, 302 North 1st Avenue 3<sup>rd</sup> Floor reception desk





# SOQ - Evaluation Criteria

## ■ Evaluation criteria

- Understanding goals and objectives
- Clarity of SOQ/approach/soundness enhancements
- Education and experience of personnel
- Proven track record
- Availability of key personnel
- Ability and commitment to provide quality products and services on time
- Recognition of work priorities/flexibility
- Other qualifications as necessary



## SOQ - Questions

- Submitted via fax or e-mail to the attention of Audrey Skidmore
  - Fax (602) 452-5098
  - E-mail [askidmore@mag.maricopa.gov](mailto:askidmore@mag.maricopa.gov)
- Answers posted to the web Mondays by 5:30 PM



# SOQ Phase 1 – Consultant Selection

- **References**
- **Discussions with offerers**
- **Selection of firms based solely on qualifications**
- **Subconsultants must be named**
- **Recommendation from MAG Executive Director to Regional Council**



# SOQ Phase 2 - Rate Schedule and Contract

- Rate schedule
- MAG contract
- Contract term and extension

# Questions



# For More Information

[askidmore@mag.maricopa.gov](mailto:askidmore@mag.maricopa.gov)

